

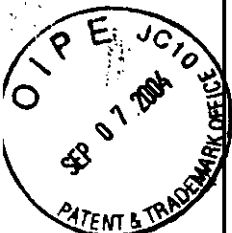
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PTO/SB/21 (02-04)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/994,173
	Filing Date	November 26, 2001
	First Named Inventor	Jun S. YOON
	Art Unit	2621
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	12 pages + 93 refs	Attorney Docket Number 404302000700

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none"> • Form PTO-1449 + copy (8 pages) • Ninety-three (93) references • Return postcard
<div style="display: flex; justify-content: space-between;"> <div>Remarks</div> <div> RECEIVED SEP 09 2004 Technology Center 2600 </div> </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP Douglas G. Hodder - 41,840	(Customer no. 25226)
Signature		
Date	August 30, 2004	

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: August 30, 2004

Signature: (Kathleen A. Farrell)



PATENT
Docket No. 404302000700

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on August 30, 2004.

Kathleen A. Farrell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Jun S. YOON et al.

Serial No.: 09/994,173

Filing Date: November 26, 2001

For: METHOD FOR EXTRACTING
FINGERPRINT FEATURE DATA
USING RIDGE ORIENTATION
MODEL

Examiner: Not Yet Assigned

Group Art Unit: 2621

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**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

Regarding reference numbers 87-90 and 93, Applicants wish to draw the attention of the Examiner to the fact that the year of the publication submitted is sufficiently earlier than the effective U. S. filing date of the related application so that the particular month of publication is not in issue.

This Supplemental Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of __ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of __ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)


Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **404302000700**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: August 30, 2004

Respectfully submitted,

By: 
Douglas G. Hodder
Registration No. 41,840

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Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000700

Application Number 09/994,173

Applicant

Jun S. YOON et al.

Filing Date November 26, 2001

Group Art Unit 2621

Mailing Date *Aug 30*, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	01/07/1975	3,859,633	Ho et al.			
	2.	07/01/1975	3,893,080	Ho et al.			
	3.	03/16/1976	3,944,978	Jensen et al.			
	4.	06/01/1976	3,959,884	Jordan et al.			
	5.	03/29/1977	4,015,240	Swonger et al.			
	6.	09/06/1977	4,047,154	Vitols et al.			
	7.	04/24/1979	4,151,512	Riganati et al.			
	8.	05/22/1979	4,156,230	Riganati et al.			
	9.	01/22/1980	4,185,270	Fischer II et al.			
	10.	06/17/1980	4,208,651	McMahon			
	11.	09/30/1980	4,225,850	Chang et al.			
	12.	01/12/1982	4,310,827	Asai			
	13.	11/08/1983	4,414,684	Blonder			
	14.	06/25/1985	4,525,859	Bowles et al.			
	15.	09/10/1985	4,541,113	Seufert et al.			
	16.	04/08/1986	4,581,760	Schiller et al.			
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	18.	02/03/1987	4,641,350	Bunn			
	19.	02/24/1987	4,646,352	Asai et al.			
	20.	08/04/1987	4,685,145	Schiller			
	21.	05/24/1988	4,747,147	Sparrow			
	22.	06/21/1988	4,752,966	Schiller			
	23.	12/13/1988	4,790,564	Larcher et al.			
	24.	03/07/1989	4,811,414	Fishbine et al.			
	25.	03/28/1989	4,817,183	Sparrow			
	26.	10/03/1989	4,872,203	Asai et al			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

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	27.	10/24/1989	4,876,726	Capello et al.			
	28.	01/23/1990	4,896,363	Taylor et al.			
	29.	06/12/1990	4,933,976	Fishbine et al.			
	30.	07/24/1990	4,944,021	Hoshino et al.			
	31.	08/07/1990	4,947,442	Tanaka et al.			
	32.	01/08/1991	4,983,036	Froelich			
	33.	08/13/1991	5,040,223	Kamiya et al.			
	34.	08/13/1991	5,040,224	Hara			
	35.	10/01/1991	5,054,090	Knight et al.			
	36.	04/14/1992	5,105,467	Kim et al.			
	37.	04/28/1992	5,109,428	Igaki et al.			
	38.	08/18/1992	5,140,642	Hsu et al.			
	39.	01/05/1993	5,177,792	Morita			
	40.	02/16/1993	5,187,747	Capello et al.			
	41.	05/11/1993	5,210,797	Usui et al.			
	42.	08/09/1994	5,337,369	Shibuya			
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	47.	11/05/1996	5,572,597	Chang et al.			
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	54.	02/10/1998	5,717,786	Kamei			
	55.	08/25/1998	5,799,098	Ort et al.			

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57.	11/03/1998	5,832,102	Uchida			
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60.	12/08/1998	5,848,176	Hara et al.			
61.	01/26/1999	5,864,296	Upton			
62.	03/02/1999	5,878,158	Ferris et al.			
63.	03/16/1999	5,883,971	Bolle et al.			
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65.	06/01/1999	5,909,501	Thebaud			
66.	06/22/1999	5,915,035	Hsiao et al.			
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69.	08/03/1999	5,933,515	Pu et al.			
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71.	08/10/1999	5,937,082	Funada			
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73.	10/26/1999	5,974,163	Kamei			
74.	11/09/1999	5,982,913	Brumbley et al.			
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76.	11/16/1999	5,987,156	Ackland et al.			
77.	11/23/1999	5,991,408	Pearson et al.			
78.	11/30/1999	5,995,630	Borza			
79.	11/30/1999	5,995,640	Bolle et al.			
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Group Art Unit 2621

Mailing Date *Aug 2* 2004

85.	12/21/1999	6,005,963	Bolle et al.
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	86.	03/28/1997	JP 09-081520	Japan			Abstract only	

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	87.	Ahn, D-S. et al. (Date Unknown). "Automatic Real-Time Identification of Fingerprint Images Using Block-FFT," Source unknown, pp:1-25, (English Abstract only.)
	88.	Author Unknown (Date Unknown). "An Algorithm For Filtering False Minutiae in Fingerprint Recognition and Its Performance Evaluation," (Source Unknown) pp. 1-34 (English Abstract only.)
	89.	Califano, A. et al. (1994). "Multidimensional Indexing For Recognizing Visual Shapes," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> 16(4):373-392.
	90.	Hoshino, S. et al. (2001). "Mapping a Fingerprint Image to an Artificial Finger," <i>The Institute of Electronics, Information and Communication Engineers</i> pp. 53-60 (English Abstract only.)
	91.	Park, G-T., et al. (May 7, 1990). "Auto-Tuning PI Control by Pattern Recognition," <i>Auto-Tuning PI</i> , pp. 510-513. (English Abstract only.)
	92.	Park, Y.T. (September, 2000). "Robust Fingerprint Verification by Selective Ridge Matching," (Source Unknown), pp. 351-358. (English Abstract only.)
	93.	Vizcaya, P.R. et al. (1996). "A Nonlinear Orientation Model For Global Description of Fingerprints," <i>Pattern Recognition</i> 29(4):1221-1231.

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